



The image is for guidance only and may not fully reflect the configuration of the product.

## Micro Plug Connector 2P Screw D5.8-6.9 IP66/IP68/IP69

Code: **THB.381.A2A**



Any changes made to the data sheet may be made without prior notice.

### GENERAL INFORMATION

<b>Installation Type</b>	Socket and plug connection
<b>Configuration</b>	Thorn
<b>Locking mechanism</b>	Push Pull
<b>Color</b>	Black (Plastic Components) - Techno Green (Rubber Components)
<b>External Dimensions (mm)</b>	Ø 14.0 x 53.0
<b>External dimensions of plug-in socket inserted (mm)</b>	Ø 14.0 x 90.0

## ELECTRICAL DATA

Connection points	1
Circuit Application	Power/Signal
Rated Current (AC/DC)	10A AC/DC
Rated Voltage (AC/DC)	500V AC (3V-60V DC)
Additional-reinforced insulation (Class II)	250V
Impulse withstand voltage	4kV
Number of poles	2
Contact Symbology	1-2
Type of contacts	Screw
Thread/Tightening Torque	M2 - 0.2 Nm

## CONNECTION DATA

MIN flexible conductor cross-section without cable lug (mm <sup>2</sup> )	0.25
Flexible conductor cross-section MAX without lug (mm <sup>2</sup> )	1.00
Conductor sheathing length (mm)	10.00
Cable sheathing length (mm)	20.00
Recommended cable type	H05xxx/H07xxx
MIN Cable Diameter (mm)	5.80
Cable diameter MAX (mm)	6.90
Nut-gland tightening torque	1.5 Nm

## ENVIRONMENTAL CONDITIONS

IP Rating	IP66, IP68, IP69 <i>*IP68 (30m/1h)</i>
Corrosion Resistance	Salt mist test : EN60068-2-11:2000
Connect-Disconnect Cycles	100 cycles
Temperature MIN/MAX (According to standard EN61984/EN60998)	-40°C/+125°C
Operating Temperature MAX	+60°C
Tracking Index	PTI 175

## MATERIALS

Connector	PA66 GF UL94 V0
Cable gland	PA66 GF UL94 V2
Seals	TPE
Cable grommets	TPE
Overvoltage Category	II
Degree of pollution	2
Property	Halogen Free - Silicone Free
Contacts	Brass
Contact Screws	Steel

## PRODUCT COMPLIANCE

IEC Approved	EN 61984:2009
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## COMMERCIAL DATA


EAN	8057457092555
Product Configuration	Industrial Packaging (OEM)
Type of packaging	Box
Pieces/box (pcs)	200
Weight/piece (gr)	7.80
Box size (mm)	200 x 200 x 120
Matching KIT Pack	THB.381.A2A.R
Customs Code	85369010
Country of origin	ITALY

## CERTIFICATIONS

Effettua la login per vedere questa sezione.

## TECHNICAL DOCUMENTATION

### Technical Documentation:

File	Format	Dimension
 606002032_TH381.pdf	PDF	571.88 KB

## 2D DRAWINGS

### 2D Drawings:

File	Format	Dimension
 THB.381.A2A.pdf	PDF	200.90 KB

## 3D FILES

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## COMMUNICATION MATERIAL

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